What is claimed is:

1.   A service rig, comprising:

a mast;

a torque carrier suspended from the mast; and

a brace having a torque carrier end connected to the torque carrier for conveying torque from the torque carrier into the brace, the brace having an anchored end with a fastener for attaching the brace to the back of the rig or a substructure at a well.

2.   The service rig of claim 1 in which, when the service rig has a substructure and is in operation over the well, the anchored end of the brace is horizontally offset from a point on the substructure directly below the torque carrier end of the brace.

3.   The service rig of claim 2 in which the anchored end of the brace, when in operative position, is oriented parallel to an extension of the torque carrier.

4.   The service rig of claim 1 in which the anchored end of the brace constitutes an offset extension of the torque carrier.

5.   The service rig of claim 1 in which the service rig has a substructure and the brace is attached to the substructure.

6.   A workover rig, comprising:

a mast;

a torque carrier suspended from the mast; and

a brace having a torque carrier end connected to the torque carrier for conveying torque from the torque carrier into the brace, the brace having an anchored end with a fastener for attaching the brace to the back of the rig or a substructure at a well.

7.   The workover rig of claim 6 in which, when the workover rig has a substructure and is in operation over the well, the anchored end of the brace is horizontally offset from a point on the substructure directly below the torque carrier end of the brace.

8.   The workover rig of claim 7 in which the anchored end of the brace, when in operative position, is oriented parallel to an extension of the torque carrier.

9.   The workover rig of claim 6 in which the anchored end of the brace constitutes an offset extension of the torque carrier.

10.   The workover rig of claim 6 in which the workover rig has a substructure and the brace is attached to the substructure.